

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 03/02354-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C07K 14/47, 1/36, A61K 35/32 // (C07K 1/36, C07K 1:34, C07K 1:16)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C07K, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPO, PAJ, REGISTRY, CAPLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	M. R. URIST et al., "Purification of bovine bone morphogenetic protein by hydroxyapatite chromatography", Proc. Natl. Acad. Sci., 81, 1984, pages 371-375 <i>the whole document.</i>	1-3
X	C. KELLY SCOTT et al., "Intramembranous Bone Matrix Is Osteoinductive", The Anatomical Record, 238, 1994, pages 23-30 <i>the whole document, esp. pages 23, 24 (left column), 27-29.</i>	1-6
X	Y. YOSHIMURA et al., "Purification of Water-Soluble Bone-Inductive Protein from Bovine Demineralized Bone Matrix", Biol. Pharm. Bull., 16 (5), 1993, pages 444-447 <i>the whole document.</i>	1-6
A	EP 0474174 A2 (TAKEDA CHEMICAL INDUSTRIES LTD.) 11 March 1992 (11.03.1992) <i>the whole document, esp. claims, examples.</i>	1-6,8- 10,12,14-16

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search
30 March 2004 (30.03.2004)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1999/038543 A2 (REGENERATION TECHNOLOGIES, INC. et al.) 5 August 1999 (05.08.1999) ; <i>the whole document.</i>	7-12
X	WO 1998/040113 A1 (UNIVERSITY OF FLORIDA TISSUE BANK, INC. et al.), 17 September 1998 (17.09.1998) <i>the whole document.</i>	7-12
X	WO 1996/039203 A1 (BIOCOLL LABORATORIES, INC.) 12 December 1996 (12.12.1996) <i>the whole document, esp. claims.</i>	7-12
X	US 6030635 A (A. A. GERTZMAN et al.) 29 February 2000 (29.02.2000) <i>the whole document.</i>	7-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB 03/02354-0

Patent document cited in search report			Publication date		Patent family member(s)	Publication date
A					none	
EP	A	474174			US A 5244577	1993-09-14
					US A 5183570	1993-02-02
					EP A 0474174	1992-03-11
					CA A 2050744	1992-03-07
					AU A 8361991	1992-03-12
					JP A 5085939	1993-04-06
US	A	6030635			US E RE38522E	2004-05-25
					US A 2003206937	2003-11-06
					CA A 2294686	2001-07-06
					US A 2002197242	2002-12-26
					US A 2002192263	2002-12-19
					US B 6458375	2002-10-01
WO	A	19960392			none	
		03				
WO	A	19980401			none	
		13				